

Information Technology Program  
**Network Administration Certificates**



A KCTCS Institution

These Information Technology (IT) programs are designed for persons currently in the workforce who desire specific training and education in the various industries. Workforce certificate programs assume that students enter the program already possessing math and writing skills necessary for the program's course-work. Students entering a workforce certificate program will take a placement test, and may be required to take developmental course-work in these areas if indicated by the placement tests.

Workforce certificates are designed for students who desire to upgrade job skills, but do not wish to pursue a degree. At the same time, should a student decide to pursue a degree later, all of the courses in the certificate programs apply towards an Associate in Applied Science degree in Information Technology. These programs provide recognition for students who complete a selection of classes in various specialized areas.

**Cisco Networking Associate (Enhanced) Track – 25 hours**  
 Academic Plan Code 1101013029

- IT 120 *Cisco Internetworking I*
- IT 122 *Cisco Internetworking II*
- IT 220 *Cisco Internetworking III*
- IT 222 *Cisco Internetworking IV*
- NIS 213 *Administrating Microsoft Windows Server*  
**OR** NIS 230 *UNIX Administration*
- Technical Electives (6 credit hours—two courses)

**Cisco Networking Professional Track – 22 hours**  
 Academic Plan Code 1101013189

- IT 280 *Cisco CCNP I Advanced Routing*
- IT 282 *Cisco CCNP II Remote Access*
- IT 284 *Cisco CCNP III Switching*
- IT 286 *Cisco CCNP IV Internetwork Troubleshooting and Support*
- Technical Electives (6 credit hours—two courses)

**Microsoft Networking (MCSA) Track – 15-18 hours**  
 Academic Plan Code 1101013199

- NIS 160 *Networking Core Technologies*
- NIS 211 *Administrating Microsoft Windows Professional*
- NIS 213 *Administrating Microsoft Windows Server*
- NIS 214 *Supporting Windows Network Infrastructure*
- MCSA Electives (3 hours, choose from list below)

**MCSA Track Elective Courses**  
 NIS 216 *Implementing and Administering Microsoft Windows Directory Services*  
 NIS 246 *Microsoft SQL Server System Administration*  
 NIS 245 *Designing a Secure Microsoft Windows Network*  
 NIS 262 *Microsoft Internet Security and Acceleration Server (ISA)*  
 NIS 264 *Implementing and Managing Microsoft Exchange Server*  
 IT 210 *Operating System Support* **AND**  
 IT 215 *Application Support*

**Microsoft Networking (MCSE) Track – 24 hours**  
 Academic Plan Code 1101013059

- NIS 160 *Networking Core Technologies*
- NIS 211 *Administrating Microsoft Windows Professional*
- NIS 213 *Administrating Microsoft Windows Server*
- NIS 214 *Supporting Windows Network Infrastructure*
- NIS 216 *Implementing and Administering Microsoft Windows Active Directory*
- NIS 244 *Designing a Windows Networking Services Infrastructure*
- NIS 242 *Designing a Windows Directory Services Infrastructure* **OR** NIS 245 *Designing a Secure Microsoft Windows Network*
- MCSE Track Elective (3 hours)
- Technical Elective (3 hours)

**MCSE Track Elective Courses**  
 NIS 242 *Designing a Windows Directory Services Infrastructure\**  
 NIS 245 *Designing a Secure Microsoft Windows Network\**  
 NIS 246 *Microsoft SQL Server System Administration*  
 NIS 262 *Microsoft Internet Security and Acceleration Server (ISA)*  
 NIS 264 *Implementing and Managing Microsoft Exchange Server*  
 IT 250 *Introduction to Security*  
 \* must be different than course chosen above

For additional information contact:  
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